

20001007.qrp v01_n967.qrl.20001007

Date: Sat, 7 Oct 2000 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1967

QRP-L Digest 1967

Topics covered in this issue include:

- 1) [80881] Notch / BP Filter Article; New Pictures
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 2) [80882] [PROP] Weekend conditions
by "Paul Harden, NA5N" <na5n@rtt66.com>
- 3) [80883] [OT] telephone problem - help needed
by "Dave Benham" <dodgeboy@mindspring.com>
- 4) [80884] [OT] Line voltage: What should it be?
by "David Porter" <dporter@voicenet.com>
- 5) [80885] Now Showing: The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 6) [80886] Fox: Last call for foxes!
by Mike Gipe <mgipe@reliablemeters.com>
- 7) [80887] Re: FS: SSTs for 40 and 20m.
by N10DL@aol.com
- 8) [80888] Info needed - Fluke RF probe
by Pat Byers <pbyers@rttinc.com>
- 9) [80889] Re: [OT] telephone problem - help needed
by "Larry Wise" <lewise@txwises.com>
- 10) [80890] Re: [OT] Line voltage: What should it be?
by "George, W5YR" <w5yr@att.net>
- 11) [80891] Re: [OT] telephone problem - help needed
by "George, W5YR" <w5yr@att.net>
- 12) [80892] Re: [OT] Line voltage: What should it be?
by "Russ Hines" <radioruss@fuse.net>
- 13) [80893] Re: [OT] Line voltage: What should it be?
by Dave Marling <dbm@klis.com>
- 14) [80894] DMM ?
by n2go@arrl.net
- 15) [80895] Friday's Updated Pacificon Attendance List
by "K7FD-N7SG" <cqdx@teleport.com>
- 16) [80896] Re: SMK-1& Pacificon
by "Joe Everhart" <n2cx@voicenet.com>
- 17) [80897] OT - POQET Plus
by n5ib@juno.com
- 18) [80898] OT: AMSAT Phase III-D
by "Ed Tanton" <n4xy@att.net>
- 19) [80899] Re: [OT] Line voltage: What should it be?

by "Gordon Cougar" <gcouger@couger.com>
20) [80900] Re: [OT] telephone problem - help needed
by n4qa@juno.com
21) [80901] Wanted Epiphyte III
by WD6BOR@aol.com
22) [80902] Re: DMM ?
by Tom Isgro <k8cz@concentric.net>
23) [80903] Re: [GQRP] MAJOR to SEVERE STORMING
by "John Moriarity" <k6qq@hdo.net>
24) [80904] Re: OT - POQET Plus
by Tom M <tjmc@erols.com>
25) [80905] Re: DMM ?
by n4qa@juno.com
26) [80906] Re: [OT] Line voltage: What should it be?
by "Chuck Carpenter" <w5usj@globeco.net>
27) [80907] QRP 2X to ZS6K0
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
28) [80908] Re: [GQRP] MAJOR to SEVERE STORMING
by "Gordon Cougar" <gcouger@couger.com>
29) [80909] QRPTTF Results
by "J. Medley" <jmedley@ix.netcom.com>
30) [80910] 0000PS! QRPTTF real address
by "J. Medley" <jmedley@ix.netcom.com>
31) [80911] Re: Fox: Last call for foxes!
by "Karl F. Larsen" <k5di@zianet.com>
32) [80912] SGC 2020 Reciever
by "Francis Callahan" <colcal@srv.net>
33) [80913] Re: My Christmas Wish List
by Nils B Young <rantinen@juno.com>
34) [80914] Re: [OT] telephone problem - help needed
by Doug <doug@ycsi.net>
35) [80915] Manual for TR44 rotator?
by "Steve/n0tu" <n0tu@webaccess.net>
36) [80916] Re: Manual for TR44 rotator?
by Bill Jones <kd7s@psnw.com>
37) [80917] which PIC programmer?
by n2go@arrl.net
38) [80918] Panama City, Flordia Trip
by "Richard Arland" <r_arland@hotmail.com>
39) [80919] Re: which PIC programmer?
by Mighty Mik <mightymik2@home.com>
40) [80920] Re: which PIC programmer?
by "Mike Yetsko" <myetsko@insydesw.com>
41) [80921] Atlanticon Dates Yet?
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
42) [80922] Re: which PIC programmer?
by "John J. McDonough" <wb8rcr@arrl.net>
43) [80923] Re: which PIC programmer?

by "Andy Meng" <n8mx@yahoo.com>
44) [80924] Re: which PIC programmer?
by Bill Jones <kd7s@psnw.com>
45) [80925] Re: which PIC programmer?
by n2go@arrl.net
46) [80926] Re: which PIC programmer?
by "Guido Tedeschi, ik2bcp" <ik2bcp@hamlan.org>
47) [80927] Small Yagi
by "George, W5YR" <w5yr@att.net>

Date: Fri, 06 Oct 2000 16:34:55 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP
<gqrp@onelist.com>
Subject: [80881] Notch / BP Filter Article; New Pictures
Message-ID: <39DE619F.6B374E6D@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We have just posted our first 'Tech Note' monthly article "An Audio Notch and Band-Pass Filter", by Randy Hargenrader, WJ4P, on the Elecraft web page, <http://www.elecraft.com>

Look for the 'Tech Notes' link near the top of the main page.

We also have a great picture of Glenn Maclean, WA7SPY, and his 7 year old son Rowan, building a regenerative RX from QST. See the 'Photo Gallery' link, right next to 'Tech Notes'.

We will be updating both the articles and featured pictures regularly. I hope you enjoy them.

73, Eric WA6HHQ

Date: Fri, 6 Oct 2000 17:43:09 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Cc: gqrp@onelist.com
Subject: [80882] [PROP] Weekend conditions
Message-ID: <Pine.SUN.4.10.10010061654150.6041-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

All the excitement over the past 3 days (geomagnetic storms) is over. I hope some of you enjoyed some nice auroral displays in your area. The sun has been quiet all week. No solar flares or CME's means nothing is on it's way towards us to shake things up over the long weekend (for some of us, anyway). A small CME today caused by a solar filament might cause a small disturbance on monday.

We are on the downhill side of the 28-day cycle, meaning solar flux has gone from 200 to 158 (today) in a matter of days, with 140 and 135 predicted for saturday and sunday. Ouch - that's kinda low. That means the upper bands will not be very good this weekend ... forget about 10M (openings would be indeed rare), 15M will be open daylight hours and a bit past sundown but with periods of weak signal paths and heavy QSB. 20M will be the best daylight band, but will probably fade out before you are used to (mid-evening).

The quiet geomagnetic field for this weekend means 40-80M will be in pretty good shape from late afternoon through the evening hours.

With these conditions, 30M would probably be the best band for good DX and quiet conditions virtually at any hour.

With our environment fairly stable right now, this means fairly good conditions (as described above) will bless our friends in Canada and Alaska as well ... not to mention the former home of the Olympics :-)

So when you find the chance, GET ON THE AIR and have a QSO this weekend. There will be a couple of bands open and quiet no matter what time of the day you choose.

Have a nice weekend.

72, Paul NA5N

Some comments from todays NOAA report for thos interested:

On Fri, 6 Oct 2000, Space Environment Center wrote:

> Joint USAF/NOAA Report of Solar and Geophysical Activity
> SDF Number 280 Issued at 2200Z on 06 Oct 2000

> IA. Analysis of Solar Active Regions and Activity from 05/2100Z
> to 06/2100Z: Solar activity was low. Today's largest event was a C2
> x-ray event at 1011Z which was not observed optically.

C-class flares are fairly small ones. This one was detected strictly by the X-ray emission and not seen on the various optical instruments.

> IB. Solar Activity Forecast: Solar activity is expected to be low
> for the next three days.

There are several sunspot regions on the sun, but they are very quiet with no significant magnetic signatures that precede flare activity.

> IIA. Geophysical Activity Summary 05/2100Z to 06/2100Z:
> The geomagnetic field ranged from quiet to active during the past 24
> hours. Yesterday's disturbance persisted through 05/2400Z but
> conditions became quiet after 06/0000Z with the northward turning of
> the interplanetary magnetic field. Today's solar wind was
> characterized by declining speeds, low densities, and weak,
> northwardly directed magnetic fields, all of which lead to
> predominantly quiet conditions.

Gee, isn't this what I've been trying to explain all week during the geomagnetic storms? Yesterday's storming was due to an abrupt shift in the interplanetary magnetic field (IMF) turning southward, causing huge magnetic disturbances, even though the solar wind speed and density were fairly low. So remember ... NORTH is good, SOUTH is bad. Now, the IMF is flowing northward ... GOOD ... meaning quiet conditions.

For those of you following these posts and have the north/south thing figured out, see ... you understand this stuff better than you think!

> IIB. Geophysical Activity Forecast: The geomagnetic field is
> expected to be mostly quiet for the next two days, and is expected
> to become unsettled by the third day.

The third day (monday) due to today's small CME which MIGHT make contact with the earth. The velocity of the CME was barely above the escape velocity of the sun, so if it DOES hit us monday, it's effects should be minimal.

> Observed	06 Oct 158		
> Predicted	07 Oct-09 Oct	150/140/135	
		^^^ ^^^ ^^^	
		SAT SUN MON	

> V. Geomagnetic A Indices			
> Observed Afr/Ap	05 Oct	058/096	<--- this was YESTERDAY's storm values
> Estimated Afr/Ap	06 Oct	005/012	<-- todays estimate = fairly quiet
> Predicted Afr/Ap	07 Oct-09 Oct	005/010-005/010-010/010	
		^^^ ^^^ ^^^	
		SAT SUN MON	

Date: Fri, 6 Oct 2000 19:47:29 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [80883] [OT] telephone problem - help needed
Message-ID: <015901c02fef\$ca83d320\$93d179a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hate to do this, but I'm dying of curiosity (plus my phone's out). I know someone out there in this fine group might be able to help me or to point me to a web site that will. Hopefully this doesn't agitate the manager here. To me this is an interesting electronic problem.

For some odd reason my telephone calls out fine, but when someone calls us, there is about a half ring to them and nothing to us. Yet if they hang in there after the half ring they hear and we pick up the phone before they hang up, it answers the call fine. After the half ring there is a slight "ping" sound which reminds me when I call into work from the outside to retrieve phone mail.

I called the phone company and they said that particularly cordless phones, Fax machines and other devices, have a capacitor in them which "overfills" and feeds voltage back into the telephone line. When that happens, the telephone line has some protection built into it that prevents the phone from receiving calls -- i.e., it shuts the line down. They said to unplug all telephones and other apparatus that is plugged into the phone line (there are none here -- nothing but phones and cordless phones); unplug them for 15 minutes so this backwards voltage is off the line and the line will clear itself and reset so that it's OK again. (this all sounded ridiculous to me)

I unplugged all the phones, waited an hour, plugged one back in, called our house with my cell phone, and the same thing happened -- half ring, then emptiness (yet if I picked up the house phone, it did answer the call in).

I believe there are only two wires going to each of the various phone jacks around the house. I think there are 4 wires that come into the house, but only two are used. How hard could this be to figure out? Well, despite the fact that I know how radios work and have an extra class license, I have no idea how phones work -- how they ring, how much voltage there should be, etc.

Can anyone refer me to a source that might help me figure this out? I have a difficult time believing the problem lies inside my house and I hate to start paying the phone man big bucks to tear my house apart.

Thanks,
Dave K8TRF

Date: Fri, 6 Oct 2000 19:53:19 -0400
From: "David Porter" <dporter@voicenet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [80884] [OT] Line voltage: What should it be?
Message-ID: <200010062353.TAA233030@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Not exactly QRP, but I charge my batteries from the line....

I measured my line voltage and got 126.6. My neighbor had a similar reading.

The power company just checked and left me a note:

"Checked voltage at meter board under load and found it is good at 125/125/250."

I know I've been away from all this for a while, but that sounds like it is too high. My neighbor brought this up because his incandescent lamps were burning out too quickly.

Is 125/125/250 too high?

David Porter
dporter@voicenet.com
AA3UR

Date: Fri, 6 Oct 2000 16:56:56 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [80885] Now Showing: The ARS Sojourner
Message-ID: <20001006235656.99472.qmail@web221.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

We're happy to report that the Adventure Radio Society's webmaster, Russ Carpenter, AA7QU, has returned from his sojourn to Bhutan and is back in the saddle as internet administrator of the organization's monthly digital magazine, The ARS Sojourner.

The October edition is live and in color at:

<http://www.natworld.com/ars>

Included this month are a range of outdoors, operating and technical articles from talented members of ARS' membership and The ARS Sojourner staff:

- + A Sierra in the Sierras, by Bruce Grubbs, N7CEE
- + The 0.1 Pound Station, by Paul Stroud, AA4XX
- + The Trail Friendly 5/8 Wave Antenna, by Joe Street, VE3VX0
- + Announcement of the ARS Rendezvous in 2001, by Wes Hayward, W7ZOI and Russ Carpenter, AA7QU
- + From Our Vantage Point, an editorial from The ARS Sojourner staff
- + Who's Who And Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + Upcoming ARS events, including the November Spartan Sprint
- + Results of September's Spartan Sprint, including Skinny division champ AA4XX, and K07X from the Tubbies
- + October Spartan Sprint Champs, AA4XX (Skinny) and N5IW (Tubby)
- + Soapbox comments for the September and October Spartan Sprints
- + The Wilderness Alerts for October, 2000 (regularly updated)

On behalf of all our contributors and The ARS Sojourner staff, we sincerely hope you enjoy this month's edition. And, as always, we welcome your comments, criticisms and suggestions for making ARS' web magazine even better.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do You Yahoo!?
Yahoo! Photos - 35mm Quality Prints, Now Get 15 Free!
<http://photos.yahoo.com/>

Date: Fri, 6 Oct 2000 17:04:26 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: "QRP-L list (E-mail)" <qrp-l@Lehigh.edu>
Subject: [80886] Fox: Last call for foxes!
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EFF9@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The deadline for applying to be a fox in the winter foxhunt is nearly here.
If you are interested in being a fox, please send your application in today!
Please send it to mgipe@pacbell.net .

Info and application form follows:

Attention all foxhunt enthusiasts!

The 2000-2001 QRP-L winter foxhunt is about to begin. We are looking for
volunteers to be foxes. If you are interested in becoming a fox, please
read this message and follow the instructions.

The foxhunting season begins on October 24, 2000 (local) and continues every
Tuesday and Thursday until March 8, 2001. All foxhunts will begin at the
same local time, 6:00 Pacific, 9:00 Eastern. The winter hunts are held on
40 meter CW.

To become a fox, you will need to fill out the application form in this
message and email it back to Mike Gipe K1MG at mgipe @ reliablemeters.com or
by replying to this message. Please DO NOT reply to the whole QRP-L list.

To maximize the enjoyment of all who participate, foxes should have the
skills and equipment necessary to insure that all hunters have a reasonable
chance at a QSO. This is why we ask you to describe your station and your
operating experience. In addition, hundreds if not thousands of hunters are
relying on the foxes to show up when promised; therefore dependability is a
very desirable trait in a fox. All foxes will be expected to post
instructions before their hunt, and to promptly post completed logs after

the hunt.

Each fox will be up for two foxhunts. In addition, January 2 and March 8 will have two foxes scheduled. If you do not want to be considered for these foxhunt duels, please indicate so on the application. If you wish to volunteer for one of these dates, please include it in your requested dates.

Every fox will be expected to appear as scheduled. If a true emergency forces a fox to miss a date, we will have a list of emergency alternates that he may contact to take over on short notice. Please indicate on the application if you want to be included on the list of alternates. You may be a regularly scheduled fox as well as an alternate. You may also be an alternate even if you are not a regularly scheduled fox. Signing up as an alternate fox will not affect your chances of being selected as a regular fox.

Your address and phone number are required so we can manage the schedule. They will not be released to QRP-L. If you indicate that you wish to be on the alternate fox list, your phone number and email address will be given to the other foxes so they can contact you when necessary. Foxes must be QRP-L subscribers, and are strongly encouraged to receive postings in real time, not in digest form. You must also be readily contacted via email.

All applications must be received by midnight PDT on October 6.

Each fox will supply a short one-paragraph biography and picture to be posted on the Foxhunt website.

Thanks, and good luck!

Mike Gipe K1MG
for the Foxhunt Coordinating Committee

*****Application for QRP-L Fox*****

I wish to be considered for QRP-L Fox for the 2000-2001 foxhunt season.

Name:

Callsign:

Address:

Daytime phone:

Evening phone:

email address:

alternate email address:

40 meter rig(s) to be used:

40 meter antenna(s) to be used:
logging software to be used, if any:
Maximum comfortable code speed:
License class:
Years of experience as an active ham:
List any past experience as a QRP-L Fox:
List any past experience as fox hunter:
If you do not want to participate in a dual foxhunt, indicate here:
Do you want to be added to the list of emergency alternate foxes?:
Please describe any additional qualifications you have:
Additional comments:
Dates requested for hunts, in order of preference:
 Note: if I am chosen as a fox, I understand that I will be scheduled for
two evenings.
1:
2:
3:
4:
5:
6:
7:
8:
Biography to be posted on the Official QRP-L Foxhunt Website:

Please attach a suitable photograph of you or your station for posting on
the Foxhunt Website. Photos should be in .JPG format and no larger than 640
by 480 pixels in size. If you cannot supply a digital photograph, we can
digitize a standard photo. Please email K1MG directly for instructions.

Date: Fri, 6 Oct 2000 20:15:04 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [80887] Re: FS: SSTs for 40 and 20m.
Message-ID: <10.337f101.270fc508@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have both of these rigs and would not let them go....I love these rigs...these are the ones I travel with.

Aron
N10DL

Date: Fri, 06 Oct 2000 18:22:18 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80888] Info needed - Fluke RF probe
Message-ID: <5.0.0.25.2.20001006182017.00a43640@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello all,

Could someone tell me if the Fluke Model 85 RF Probe reads peak or RMS voltage? I expected the latter but I have some discrepancies among various instruments.

Thanks for the help.

73,

Pat Byers VE6AAN
Ponoka, AB

Date: Sat, 07 Oct 2000 00:28:29 +0100
From: "Larry Wise" <lewise@txwises.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [80889] Re: [OT] telephone problem - help needed
Message-ID: <200010070024.TAA01726@aoot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Fri, 6 Oct 2000 19:47:29 -0400, Dave Benham wrote:

>I hate to do this, but I'm dying of curiosity (plus my phone's out). I know ...

In the old days I would have said to check the ground line on your phone system....

Larry KA5T
Georgetown Texas

Date: Fri, 06 Oct 2000 19:25:49 -0500
From: "George, W5YR" <w5yr@att.net>
To: dporter@voicenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80890] Re: [OT] Line voltage: What should it be?
Message-ID: <39DE6D8D.46A1856B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David, the National Electrical Code (NEC) talks about service voltages such that you should see a nominal 120 volts at an outlet, subject to a tolerance of +/- 5%. That would be from 114 to 126 volts. This implies that the service voltage would be 252/126/126 as a maximum.

Since the power company readings are within this tolerance range, I suspect that it why they proclaimed it "good."

For my money, that IS too high although almost all appliances are designed to operate within the 114-126 volt range. Lamps, though, are something else and I would not be surprised at relatively short life.

In the shack I keep a fairly precise a-c voltmeter on the line at all times and it is practically welded at the 123-volt point. Never seems to vary more than 1/2 a volt from that reading.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

David Porter wrote:

> Is 125/125/250 too high?

Date: Fri, 06 Oct 2000 19:28:35 -0500
From: "George, W5YR" <w5yr@att.net>

To: dodgeboy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80891] Re: [OT] telephone problem - help needed
Message-ID: <39DE6E33.EA829137@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radio Shack used to carry an informative little book on this.

You might be surprised what others have tied into your phone wires if the house was not built by you.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Dave Benham wrote:
>

> Can anyone refer me to a source that might help me figure this out? I have
> a difficult time believing the problem lies inside my house and I hate to
> start paying the phone man big bucks to tear my house apart.

Date: Fri, 6 Oct 2000 20:30:03 -0400
From: "Russ Hines" <radioruss@fuse.net>
To: <dporter@voicenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80892] Re: [OT] Line voltage: What should it be?
Message-ID: <005201c02ff5\$bd3c1be0\$324244d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think the national average voltage for AC power for residential use is reported to be 117 VAC. Typically most homes are fed either 208 VAC or 240 VAC single phase, making each leg to neutral approximately 110 and 120 VAC respectively. The voltages you report are <5% high, so I'd say you're good to go.

If you're concerned about lightbulb life, you can get 130 volt bulbs from Home Depot or your local lighting store/distributor.

73,
Russ
WB8ZCC

----- Original Message -----

From: David Porter <dporter@voicenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, October 06, 2000 7:53 PM
Subject: [OT] Line voltage: What should it be?

> Not exactly QRP, but I charge my batteries from the line....
>
> I measured my line voltage and got 126.6. My neighbor had a similar
> reading.
>
> The power company just checked and left me a note:
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> "Checked voltage at meter board under load and found it is good at
> 125/125/250."
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> I know I've been away from all this for a while, but that sounds like it
is
> too high. My neighbor brought this up because his incandescent lamps were
> burning out too quickly.
>
> Is 125/125/250 too high?
>
>
> David Porter
> dporter@voicenet.com
> AA3UR

Date: Fri, 06 Oct 2000 21:49:06 -0300
From: Dave Marling <dbm@klis.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80893] Re: [OT] Line voltage: What should it be?
Message-ID: <39DE7302.4C36C301@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Is 125/125/250 too high?

I had some concerns a few years back about my voltage peaking at 127/127 and the stress it was causing on older ham gear designed for 115VAC. The power company connected a chart recorder for several days and, after some discussion, changed the tap on the pole transformer to lower it somewhat.

Their reason for having it high in rural areas in Nova Scotia was to avoid complaints about lights dimming when the water pump, furnace or clothes dryer cuts in.

There are standards they have to maintain for minimum/maximum voltages. You might find someone in your local utility who will give you this information.

73,
Dave
VE1VQ

Date: Fri, 6 Oct 2000 21:19:08 -0400 (EDT)
From: n2go@arrl.net
To: qrp-1@Lehigh.EDU
Subject: [80894] DMM ?
Message-ID: <Pine.LNX.4.20.0010062111370.10212-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a fluke Philips Digital multimeter (PM2534). It seems to act funny when I have it on the volts DC autoranging setting. With or without the leads attached, on the mV range, the 1/100 and 1/1000 digit jumps around and doesn't zero. Also on the ohms position, putting the leads together doesn't bring the meter to exactly zero.

I know this is a specific meter but is there a likely cause? perhaps something that would likely cause this in any meter. Maybe a bad pcb ground or cap?

It is still the most accurate meter I own. It is annoying more than anything else.

73,

Jim n2go

Date: Fri, 6 Oct 2000 18:25:26 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80895] Friday's Updated Pacificon Attendance List
Message-ID: <002301c02ffd\$7c699720\$59231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First, thanks to everyone on the list for showing patience with those of us who are excited about Pacificon.

If you will be attending Pacificon and would like your call to be included on this list, please email me directly. I will repost the information and any additions one more time, on next Friday. After that, it's bag-packing and travelling time.

73, John K7FD
Pacificon Convention info -> <http://www.pacificon.org/>
Pacificon QRP Events info ->
<http://www.fix.net/~jparkner/norcal/pacificon00/pacificon00.htm>

AA10F Jerry
AK1P Paul
K1MG Mike

N2APB George
N2PTW Joyce

K4NK Les

AB5PC Dave
KA5DVS James
W5JAY Jay

AB6MB Jeff
AC6AN Ori
AC6KW Jeff
AD6A Dave
AD6CW Jim
AD6DI Casey
AD6GI Chuck
AD6JV Bill
AD6JY Dan

AD6KP Mark
AD6MX Jeff
K6EXT Ron
K6HCJ Marv
K6RPN Doug
KD6ANH Lerma
KE6JJJ Jeremy
KE6MRH Robin
KE6RS Ron
KE6YTH Cindy
KF6IHU/9 Christian
KF6MOV Caroline
KF6RMK Bill
KG6WU Ed
KI6DS Doug
N6KR Wayne
N6WG Bob
NA6E Mary
NB6M Wayne
W6ABC Jack
W6AGS Arth
W6EMD Dave
W6MMA Vern
W6YBS Judy
WA6GER Jim
WA6HHQ Eric
WA6MER Mike
WA6OWR Jerry
WA6YSY John
WD6BOR Darrel
WE6W Ed
WT6P Mark

K7FD John
K7GT Allan
K7QO Chuck
K7RXV Roger
K7TQ Randy
KD7S Bill
KD7CEL Margaret
KI7FQ Mike
KK7GG Mike
N7RR Bruce
N7SG Annette
N7TM Tom
N7VE Dan
N7XJW Bertie
NK7M Bob

NQ7K Mike
W7AQK Dave
W7AVK Bob
WA7SPY Glenn
WD7Y Ed

WI8W Thom

NF0R Dave
W0MC Jerry

G3MFJ Graham
G4WIF Tony

Date: Fri, 6 Oct 2000 21:50:30 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: <lite65@earthlink.net>
Cc: "qrpl" <qrp-l@lehigh.edu>
Subject: [80896] Re: SMK-1& Pacificon
Message-ID: <003101c03000\$f9ef0ba0\$6a5547d1@JoeEverhart>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

The antenna you describe was the "stock" antenna for last year's Pacificon fox hunt. A number of folks used it with good success.

Not to be outdone, I made up a simple tabletop loop consisting of two turns of 14 ga wire inside a 12x18" rectangular PCV pipe frame. It was tuned with a 150 pf or so mica trimmer. It was written up in one of my Joe's Quickies in a recent QRP Quarterly. It took me a couple of evenings to build from scratch.

If you'd like I can send more info by private e-mail

72/73,

Joe E., N2CX

You wrote:

Does anyone have an idea for a quick and dirty antenna for

the SMK event at the Friday night event at Pacaifcon

<SNIP>

Think I heard someone mention a 50ohm resistor with a length of wire.
Maybe I could work everyone in the room with a dummy load.

Would appreciate any tips

72 Bill
KF6RMK

Date: Fri, 06 Oct 2000 22:10:34 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [80897] OT - POQET Plus
Message-ID: <20001006.210408.7679.1.N5IB@juno.com>

- 1) I have a POQET Plus that I use for logging. I think I recall reading that it is possible to write to the D: drive. Anyone know how?
- 2) I'm open to suggestions for a sweepstakes logging program that will run in DOS (hence on the POQET) and is current enough to output the log in ARRL's Cabrillo format. Currently use Log-EQF for regular logging, but it neither does the Cabrillo files nor does it allow convenient entry of the sweepstakes exchange.
- 3) I have an extra POQET Plus and would be interested in trading for a regular POQET so as to have a unit that's a little easier on the batteries for field use.

72
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 6 Oct 2000 22:17:45 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "CW Reflector" <cw@qth.net>
Cc: "FISTS" <fists@qth.net>, "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [80898] OT: AMSAT Phase III-D
Message-ID: <CKEGICNFDIMCEKEDCEHFGEPPPEEAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

According to an AMSAT Special Bulletin I just received, fueling of the newest Amateur Radio Satellite, P3-D, has begun.

Pictures may be seen at: <http://www.amsat-dl.org/launch/> .

Overall operations for Arianespace Flight 507 launch on OCT 31 may be seen at: <http://www.arianespace.com/> and <http://www.amsat.org> .

73 Ed Tanton <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.qsl.net/n4xy/>

Date: Fri, 6 Oct 2000 21:31:50 -0500
From: "Gordon Cougar" <gcouger@couger.com>
To: <dbm@klis.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80899] Re: [OT] Line voltage: What should it be?
Message-ID: <05db01c03006\$c04d43c0\$872cccd0@home.xxx>

The closer you are to the end of the line the more voltage problems there will be. This is particularly true in rural areas with a single large power user on the line. You will get low power when the big user is using and high voltage when he quits.

Gordon W5RED
G. C. Cougar gcouger@provlue.net Stillwater, OK

From: "Dave Marling" <dbm@klis.com>

> > Is 125/125/250 too high?
>
> I had some concerns a few years back about my voltage peaking at 127/127
> and the stress it was causing on older ham gear designed for 115VAC.
> The power company connected a chart recorder for several days and, after
> some discussion, changed the tap on the pole transformer to lower it
> somewhat.
>
> Their reason for having it high in rural areas in Nova Scotia was to
> avoid complaints about lights dimming when the water pump, furnace or
> clothes dryer cuts in.
>
> There are standards they have to maintain for minimum/maximum voltages.
> You might find someone in your local utility who will give you this
> information.
>
> 73,
> Dave
> VE1VQ

Date: Fri, 6 Oct 2000 23:02:13 -0400
From: n4qa@juno.com
To: qrp-l@Lehigh.EDU
Subject: [80900] Re: [OT] telephone problem - help needed
Message-ID: <20001006.230216.-91545.0.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For the past twenty years or so, residential telephone service includes a "network interface" box mounted on an outside wall of the residence. The front of this box has two openable sides... one for Ma Bell only...the other may be opened by the customer (though Ma Bell does not go out of her way to tell you this). If you have a known-good telephone set of the regular corded type, you can open up the "customer" side of the network interface box, unplug the RJ-11 connector and plug in your known-good telephone set.

This box was devised to help determine whether telephone troubles are inside the residence or are in telco's lines/equipment. If the known-good phone rings-in and dials-out ok and good audio both ways when connected inside the network interface, then the problem exists somewhere in the customer's wiring/equipment. If it's still screwy, it's telco's problem and don't let them convince you otherwise.

Testing for older homes' installations may be a little trickier...

haven't seen one for a long time but, supposedly all are supposed to be upgraded over time, especially if changes to a customer's service are to be made.

Good luck and 73-1,
Bill, N4QA

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 6 Oct 2000 23:03:39 EDT
From: WD6BOR@aol.com
To: qrp-1@lehigh.edu
Subject: [80901] Wanted Epiphyte III
Message-ID: <ca.b15a999.270fec8b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was away for the week and didn't read the announcement of the Norcal Epiphyte kit until they were all sold out. I built the first version and was waiting for Derry to publish the plans for the Mark III so I could build one for my daughter up north. She works in the woods and has her General Class license, so it would be handy for her to use when she is away from civilization to keep in touch with us. You might have guessed that she is not a code fan, although she passes her 13 WPM for her license.

Please contact me off the list if you have one of the Norcal kits but have changed your mind about building it.

Thanks and 72s.

Hope to see some of you at Pacificon.

Darrel, WD6BOR

Date: Fri, 06 Oct 2000 23:11:31 -0400
From: Tom Isgro <k8cz@concentric.net>
To: n2go@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80902] Re: DMM ?
Message-ID: <39DE9463.B0B57368@concentric.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

n2go@arrl.net wrote:

>
> I have a fluke Philips Digital multimeter (PM2534).
> It seems to act funny when I have it on the volts DC autoranging setting.
> With or without the leads attached, on the mV range, the 1/100 and 1/1000
> digit jumps around and doesn't zero.
> Also on the ohms position, putting the leads together doesn't bring the
> meter to exactly zero.
>

Jim,

FWIW, I have a Fluke 87 I use at work. Does the same thing. The precision on these meters is such that the least significant digits will change with time due to sampling rates and the changes in signal level with time.

On the resistance scale, my 87 reads about 0.3 ohms with the leads shorted together, most likely the resistance of the leads. Still close enough for the average user. Don't forget most resistors have a 10% tolerance.

--

"Blessed are they who can laugh at themselves for they shall never cease to be amused."

72, 73 oo's
Tom K8CZ Hamilton, OH
FPqrp #-41, QRP-1 945, FISTS 2360, NORCAL 2113, ARCI 9606,
10-10 68364, SCI 1479, ARS 203, ARRL

Date: Fri, 6 Oct 2000 20:30:56 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80903] Re: [GQRP] MAJOR to SEVERE STORMING
Message-ID: <003d01c0300f\$01cc9000\$8d414cd1@JohnMoriarity>

> Largely, I believe the lack of activity on 10M (especially) is due to
> just that ... lack of activity. I remember solar maximums in the
past,

> shortly after dinner, I would talk to several Japanese hams every night
> using their converted CB's (that *would* be QRP). Often Japanese school
> kids working US hams during their lunch break. I remember helping
> several young JA's complete their English homework while they were sitting
> in their car with a converted CB and an easy S-9. I agree, I just haven't
> seen that sort of thing this solar maximum and can't help but think the
> activity JUST ISN'T THERE.
>
> I would be interested to hear what others think on this as well ...
> whether the seasoned hams feel propagation really is lower than past
> cycles, or just a lack of hams on the air.

Paul,

I agree. Sadly, the doomsayers' prediction that ham radio is dying seems to be coming true. There is very little activity on any band, other than during a contest. I hear CBers coming through loud and clear when no ham activity is heard on 10 meters. On the lower bands, even when I hear strong SSB signals (but not many), the CW end of the band is usually empty.

Either we are both wrong, or this is the worst solar max I've experienced in fifty years.

72,

John, K6QQ

Date: Fri, 06 Oct 2000 23:34:05 -0400
From: Tom M <tjmc@erols.com>
To: n5ib@juno.com
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [80904] Re: OT - POQET Plus
Message-ID: <39DE99AD.8237BD9C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim,

> that it is possible to write to the D: drive. Anyone know how?

I played around with the FLASHUTY.EXE prgm and this is prob the way to go... you can dump the current prgms and view but in order to write you need the start and stop bits for each file...

fiq I didn't want to trash it so I went no further.

> 2) I'm open to suggestions for a sweepstakes logging program that will
> run in DOS (hence on the POQET) and is current enough to output the log
> in ARRL's Cabrillo format.

I run the older Ver 8 of EQF in contest format , then just import it into v 9.22 with FILEEQF.EXE for cabrillo output. I don't have a printer hooked to the Poqet anyway

> 3) I have an extra POQET Plus and would be interested in trading for a
> regular POQET so as to have a unit that's a little easier on the
> batteries for field use.

Stay with the Plus... the standard in NG in the dark and the Plus has the back lighting.

The batteries are good if you rebuild them with 2100mah cells.. you'll get 4-6+hrs.

If that's not enough, do the mod for the 12 cigar plug I wrote up... I just tap off the 12v gell cell and run the whole weekend no problem.

Hope this helps

Tom aa2vk

PS: for the battery mods and 12v cigar plug mod I did, look at the NJQRP site for the info

at <http://www.njqrp.org/poqetpc/powercord.html>
<http://www.njqrp.org/poqetpc/aa2vk%20review.html>
<http://www.njqrp.org/poqetpc/index.html>

>

> 72

> Jim N5IB

>

--

```
*****
*   Member of NorCal, NJQRP, SGCI   *
*                                     *
```

* Personal web page : WWW.EROLS.COM/TJMC *

Date: Fri, 6 Oct 2000 23:46:38 -0400
From: n4qa@juno.com
To: qrp-1@Lehigh.EDU
Subject: [80905] Re: DMM ?
Message-ID: <20001006.234640.-91545.1.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Jim and gang,
The LSD's... Least Significant Digits may be unstable when the DMM is set / autoranged to the low voltage ranges AND the test leads disconnected from the DMM OR left "dangling", that is, not connected to an external(low voltage often accompanies low impedance)circuit under test. See if they settle down when shorting the test leads (not any circuit under test) together.
As for non-zero readings while in ohms (particularly LOW OHMS) ranges, your test leads have a small amount of resistance, but most likely, the interface between DMM and test leads (ie) plugs and jacks can become dirty or corroded and may require cleaning.
Sometimes, just removing and re-inserting test lead plugs will restore a good.low-impedance interconnection.
Some DMMs have a function such as "relative" or perhaps, "delta ohms" which, when invoked, allows the user to "zero-out" test lead resistance.
73-1,
Bill, N4QA

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 06 Oct 2000 22:57:18 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: dporter@voicenet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80906] Re: [OT] Line voltage: What should it be?
Message-ID: <3.0.2.32.20001006225718.0069f7bc@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In the early 1960s, the standard single phase line voltage for the US was established at 120/240 V AC. There are varying tolerances around the US. If you are near a primary generating station, you will likely be at the high side of the tolerance.

You will often see voltages stated at the old outdated levels of 110, 115, and 117.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 7 Oct 2000 01:05:34 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [80907] QRP 2X to ZS6K0
Message-ID: <200010070105_MC2-B616-76D7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Just had a long QSO with Bill ZS6K0 in Pretoria. He was running 4 watts.=
=

I had the OHR Spirit at 5 watts to an IAC Double Bazooka up 49'. Heard him
call CQ, and just threw out my call, never expecting him to come back. =

Been licensed since 1960, but gotta say this was one of those QSOes to
remember. =

72/73,
--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Sat, 7 Oct 2000 00:12:49 -0500
From: "Gordon Couger" <gcouger@couger.com>
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80908] Re: [GQRP] MAJOR to SEVERE STORMING
Message-ID: <06de01c0301d\$3d991000\$872cccd0@home.xxx>

We have had pretty good luck converting the CBer's. You need to do a little elmering so one guy tells him when he screws up not everybody. It's worked for use fo 9 out of 10. Infact I think all the club officers are old CBer's. You got catch where they are. If they are interested in CB they are closer than anybody else you will get. They will get over the 10-4 good buddy.

Boy scouts is a good place to go hunting. The chances aren't as good but the pay off it better. The fact that my son was a ham got him his first job in Silicone Valley. The guy hiring him was a JA.

Engineering and tech schools are good too. A lot better than high school because they have the right ones gathered up for you.

Gordon W5RED
G. C. Couger gcouger@provlue.net Stillwater, OK

From: "John Moriarity" <k6qq@hdo.net>

> > Largely, I believe the lack of activity on 10M (especially) is due to
> > just that ... lack of activity. I remember solar maximums in the
> past,
> > shortly after dinner, I would talk to several Japanese hams every
> night
> > using their converted CB's (that *would* be QRP). Often Japanese
> school
> > kids working US hams during their lunch break. I remember helping
> > several young JA's complete their English homework while they were
> sitting
> > in their car with a converted CB and an easy S-9. I agree, I just
> haven't
> > seen that sort of thing this solar maximum and can't help but think
> the
> > activity JUST ISN'T THERE.
> >

>
>

Date: Sat, 07 Oct 2000 00:59:28 -0600
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-1@lehigh.edu
Subject: [80909] QRPTTF Results
Message-ID: <39DEC9D0.A1F7C668@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi folks,

Nope, I don't know why the results aren't on the Norcal site. But I do know that the Jer-man is a hard workin' kinda guy so has probably been pretty tied up. In the meantime, I've made a "swifty" page that you can peruse. I THINK that the results may also be published in an upcoming issue of QRPP, but don't quote me on that (Hi Doug).

Jan N0QT (click on the link below for the swifty site)

<http://members.nbci.com/n0qt/qttf.htm>

Date: Sat, 07 Oct 2000 01:02:42 -0600
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-1@lehigh.edu
Subject: [80910] 0000PS! QRPTTF real address
Message-ID: <39DECA91.768F300D@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got my slashes all leaning the wrong way. Try this one!

<http://members.nbci.com/n0qt/qttf.htm>

That oughta do it!
Jan N0QT

Date: Sat, 7 Oct 2000 05:51:34 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Gipe <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [80911] Re: Fox: Last call for foxes!
Message-ID: <Pine.LNX.4.10.10010070548590.789-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike, I sure missed the original call. I looked back a month and can't find it. I'm not qualified to be a fox anyway.

On Fri, 6 Oct 2000, Mike Gipe wrote:

> The deadline for applying to be a fox in the winter foxhunt is nearly here.
> If you are interested in being a fox, please send your application in today!
> Please send it to mgipe@pacbell.net .
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 7 Oct 2000 06:27:58 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [80912] SGC 2020 Reciever
Message-ID: <000501c0305a\$07b890e0\$3ad8070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can anyone who has a 2020 tell me how the reciever is on it compared to some of the other rigs out there. Please reply direct 72 Cal KF7ET misplaced Vermonter in Idaho

Date: Sat, 7 Oct 2000 14:30:54 +0000
From: Nils B Young <rانتinen@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [80913] Re: My Christmas Wish List
Message-ID: <20001007.143203.-173939.0.rانتinen@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Santa (also known as my oldest son who makes more money than his mother)

Lemme see now . . . a trip to the Mediterranean . . . on a ship . . .
with a ham as RO . . . and one of them 2 hours of walking backpack
thingies . . . and an WRR 2 in a rack . . . the time machine . . . youth
potion . . . fewer orderlies . . .

And is it my imagination or did Goran just give us a project for next
year's Dayton building & consternation project: a backpack/bellypack
radio set up for walking on the beach, antenna & all accoutrements
included? (Don't let Wayne know! He'll want to make it tough on us . . .
only 3 VDC batteries, less than 250 mA current draw, badgers & weasel
drive system not included.)

73

Nils

. . . just finished rehabilitating the power supply for the R-174/GRR-5
that I've had probably as long as it took me to finish building the Howes
40 DCR/tx doodad . . . what a warm sound the old military radio has . . .
better than any of the GCRs I've got . . . but now I'm thinking of
bringing the GRC-109 inside & getting that one on the air . . . somebody
stop me before I go to the Fair Radio site and look at the (so-called)
backpack radio RT-671/RPC-47 & buy something else that I'll have to
modify just to keep from going nuts! . . . Ayeeee!

Nils R. B. Young -- El Gringo Errante -- W8IJN -- The Tagalong Press
<http://www6.50megs.com/w8ijn> -- <http://members.fortunecity.com/nilsbull>
"In MY day you had to FIGHT to have finals! Every DAY was a STRUGGLE!"
Comrade Nikolai

Sergeiovich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 07 Oct 2000 09:41:13 -0600

From: Doug <doug@ycsi.net>

To: dodgeboy@mindspring.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [80914] Re: [OT] telephone problem - help needed

Message-ID: <39DF4418.1FF34100@ycsi.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave.....

A couple things come to mind. First, have you got Voice Mail? Is it operational when it shouldnt be? If so, your ring cycle will be cut short as the call is cut to the Mail Server. Options on the mail system might be checked also, as some will activate with one ring, others with 4.

Another check is to disconnect the line at the terminal or network interface and then open one of your jacks on the inside and measure across the green and red wires with your ohmmeter. You should get a good kick at first (using an analog meter) as the ringers in your phones charge up and then show at least 5 megs of resistance. Much less and there's the possibility of moisture in some of your wiring, a wet jack or even a bad phone. Inside wire is of varied quality, now that everyone is in the phone business, and can chafe or absorb moisture when it shouldnt. Any wire hung on the outside of your house is suspect, so keep that in mind also.

Ringng voltage is AC, 20 cycles per second at +/- 120 volts. If the line is damp and leaky, the first ring or two will break down the resistance to the point where the Central Office equipment things there is an off hook at your end and dump the ringer off the line as it does when you normally answer your phone, by measuring the current drawn in your line. But, this condition is normally telegraphed by noise and scratch transmission.

There can also be trouble out in your local carrier's cable as moisture or corrosion in a pedestal. But check your home out first as they will charge a trouble isolation fee if you have the problem inside your interface.

The explanation they gave you is pretty far out, but I was only in this racket for 30+ years and there's always something to be learned. The ringer caps do hold a charge, but not enough to tell the CO that the line is off hook or in trouble. Amazing....

Take care and good luck.

73

Doug, K7YD

Dave Benham wrote:

> I hate to do this, but I'm dying of curiosity (plus my phone's out). I know
> someone out there in this fine group might be able to help me or to point me
> to a web site that will. Hopefully this doesn't agitate the manager here.
> To me this is an interesting electronic problem.
>
> For some odd reason my telephone calls out fine, but when someone calls us,
> there is about a half ring to them and nothing to us. Yet if they hang in
> there after the half ring they hear and we pick up the phone before they
> hang up, it answers the call fine. After the half ring there is a slight
> "ping" sound which reminds me when I call into work from the outside to
> retrieve phone mail.
>
> I called the phone company and they said that particularly cordless phones,
> Fax machines and other devices, have a capacitor in them which "overfills"
> and feeds voltage back into the telephone line. When that happens, the
> telephone line has some protection built into it that prevents the phone
> from receiving calls -- i.e., it shuts the line down. They said to unplug
> all telephones and other apparatus that is plugged into the phone line
> (there are none here -- nothing but phones and cordless phones); unplug
> them for 15 minutes so this backwards voltage is off the line and the line
> will clear itself and reset so that it's OK again. (this all sounded
> ridiculous to me)
>
> I unplugged all the phones, waited an hour, plugged one back in, called our
> house with my cell phone, and the same thing happened -- half ring, then
> emptiness (yet if I picked up the house phone, it did answer the call in).
>
> I believe there are only two wires going to each of the various phone jacks
> around the house. I think there are 4 wires that come into the house, but
> only two are used. How hard could this be to figure out? Well, despite the
> fact that I know how radios work and have an extra class license, I have no
> idea how phones work -- how they ring, how much voltage there should be,
> etc.
>
> Can anyone refer me to a source that might help me figure this out? I have
> a difficult time believing the problem lies inside my house and I hate to
> start paying the phone man big bucks to tear my house apart.
>
> Thanks,
> Dave K8TRF

Date: Sat, 7 Oct 2000 10:19:10 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>

Subject: [80915] Manual for TR44 rotator?
Message-ID: <007301c0307a\$53939c60\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Manual for TR44 rotator? any have one will repay for copying/postage?

Thanks Steve/n0tu.

Date: Sat, 07 Oct 2000 10:32:16 -0700
From: Bill Jones <kd7s@psnw.com>
To: n0tu@webaccess.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80916] Re: Manual for TR44 rotator?
Message-ID: <39DF5E20.B23DF51@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yeah, Steve, I've got one. Send me a mailing address and I will photocopy it Monday and mail it to you. No charge involved.

Steve/n0tu wrote:

>
> Manual for TR44 rotator? any have one will repay for copying/postage?
>
> Thanks Steve/n0tu.

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Sat, 7 Oct 2000 13:44:07 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [80917] which PIC programmer?
Message-ID: <Pine.LNX.4.20.0010071339150.433-100000@valhalla.v>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Which PIC programmer are you using? I am stung by the bug and want to either buy or build a programmer. Anybody been there and done that? There are some radio items that would be nice to build with a PIC.

I just ordered the Easy Pic'N book written by that guy of SWL fame :) The next step will be to build/buy a programmer and some chips.

73,

Jim n2go

Date: Sat, 07 Oct 2000 17:52:54 GMT
From: "Richard Arland" <r_arland@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [80918] Panama City, Flordia Trip
Message-ID: <LAW2-F270WqXjXX0IAC0000d820@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang:

The flight from Allentown, PA to Panama City was less than memorable.

The ONE highlight was my layover in Atlanta. Mike Boatright, K04WX, met me at the airport and took me into the Crown Room on Concorse B. Man, that place was posh! After a couple of glasses of mineral water, a message by the lovely Helga, and some QRP talk it was time to board my flight to Panama City.

Mike provided me with a prototype kit of an 80 meter RX he is developing for the NoGAnaut transmitter. That's my project for the trip! Many, many thanks, Mike.

I managed to leave the names and phone numbers of those who wrote me about a QRP get together in my shack. Soooooo, if those folks would resend the info to this e-mail address, we'll set something up.

The new Grandson is doing well. He was born to an all-ham family: Gwen, KB4UNT, and Kyle, KF4TIV. This kid's not only gonna be a QRPer, he's gonna get on the DXCC Honor Roll!

I should have an antenna up today and hope to be QRV by early this evening.

Got the K2 along with a Gusher 2B dual band antenna.

73 Rich K7SZ
Editor, QRP Power

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Share information about yourself, create your own public profile at
<http://profiles.msn.com>.

Date: Sat, 07 Oct 2000 11:03:10 +0000
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80919] Re: which PIC programmer?
Message-ID: <4.3.2.7.0.20001007110048.00ca2730@24.0.0.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:44 PM 10/7/00 -0400, you wrote:

>Which PIC programmer are you using? I am stung by the bug and want to
>either buy or build a programmer. Anybody been there and done that?
>There are some radio items that would be nice to build with a PIC.
>
>I just ordered the Easy Pic'N book written by that guy of SWL fame :)
>The next step will be to build/buy a programmer and some chips.

check the one at www.dontronics.com ... and Dave and David are 2 different
people, although i imagine both are good guys ;)) that 'kit 97' programmer
is about \$20.

>
> 73,
>
> Jim n2go

Date: Sat, 7 Oct 2000 14:02:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n2go@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80920] Re: which PIC programmer?

Message-ID: <001d01c03088\$f1e24fc0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, if you're going with one chip, or one type of chip, some of them you can build simple interfaces to do. This is great if for example you pick)no pun intended!) up a bunch of 'flash' PICs all of one type.

But when I was doing some PIC stuff with the 12C508, I used the 'PIC Start Plus' programmer right from MicroChip. It really works great. Forget what it runs, I think over \$100, but it was worth the money. And I can do any of the PICs I can get my hands on.

Mike

>
> Which PIC programmer are you using? I am stung by the bug and want to
> either buy or build a programmer. Anybody been there and done that?
> There are some radio items that would be nice to build with a PIC.
>
> I just ordered the Easy Pic'N book written by that guy of SWL fame :)
> The next step will be to build/buy a programmer and some chips.
>
> 73,
>
> Jim n2go
>
>

Date: Sat, 7 Oct 2000 14:29:22 -0700
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [80921] Atlanticon Dates Yet?
Message-ID: <002701c030a5\$ac0c53c0\$75dd4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I know that Pacificon is not even over yet.....but some of us have to start planning next years vacations and other

time off now. It also benefits if we can keep our eyes open for bargain priced airline tickets.

So that being said, is there a date set for Atlanticon yet?

Thanks,
Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Date: Sat, 7 Oct 2000 15:37:04 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <n2go@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80922] Re: which PIC programmer?
Message-ID: <001301c03095\$fcfa5b20\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out the No Parts PIC Programmer. Except for the 18 pin DIP socket, you probably have everything you need in the junk box.

See <http://covingtoninnovations.com/noppp/index.html>

See also my Manhattan version at <http://www.qsl.net/wb8rcr/noppp.html>

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <n2go@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, October 07, 2000 1:44 PM
Subject: which PIC programmer?

>
> Which PIC programmer are you using? I am stung by the bug and want to
> either buy or build a programmer. Anybody been there and done that?
> There are some radio items that would be nice to build with a PIC.

>
> I just ordered the Easy Pic'N book written by that guy of SWL fame :)
> The next step will be to build/buy a programmer and some chips.
>
> 73,
>
> Jim n2go
>

Date: Sat, 7 Oct 2000 15:42:22 -0400
From: "Andy Meng" <n8mx@yahoo.com>
To: <qrp-l@lehigh.edu>
Subject: [80923] Re: which PIC programmer?
Message-ID: <000f01c03096\$b717ecc0\$0100000a@n8mx>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got a PIC programmer this week, and have been doing some programming for the first time yesterday and today. The unit I have is a Warp-13, made by Newfound Electronics: <http://www.new-elect.com> It can be purchased for \$89 plus \$10 shipping (comes with a nice ZIF socket). It is equivalent to the PICstart Plus, which costs about \$200. MPLAB talks to it, because it think it IS a PICstart! However, I have found the WARP-13 driver program more friendly than the MPLAB window. This is only necessary if you want to program the non-flash chips, such as the 12C series or most of the 16C series. I haven't used a simple programmer like often seen, so I can't comment on those. However, I have been having fun with the Warp-13 and it seems to be working great!

72/73,
Andy N8MX
-----Original Message-----
From: n2go@arrl.net <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, October 07, 2000 1:45 PM
Subject: which PIC programmer?

>
>Which PIC programmer are you using? I am stung by the bug and want to
>either buy or build a programmer. Anybody been there and done that?
>There are some radio items that would be nice to build with a PIC.
>

>I just ordered the Easy Pic'N book written by that guy of SWL fame :)
>The next step will be to build/buy a programmer and some chips.
>
> 73,
>
> Jim n2go

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 07 Oct 2000 14:49:17 -0700
From: Bill Jones <kd7s@psnw.com>
To: n2go@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80924] Re: which PIC programmer?
Message-ID: <39DF9A5D.9CF2ECB1@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim,

I use the EPIC Plus Pocket Programmer. It works well for the 16F84
(which is all I've worked with).

Also, for the what it's worth department, the author of the Easy Pic'N
books is not the same Dave Benson we all know and love from Small Wonder
Labs fame.

n2go@arrl.net wrote:

>
> Which PIC programmer are you using? I am stung by the bug and want to
> either buy or build a programmer. Anybody been there and done that?
> There are some radio items that would be nice to build with a PIC.
>
> I just ordered the Easy Pic'N book written by that guy of SWL fame :)
> The next step will be to build/buy a programmer and some chips.
>
> 73,
>
> Jim n2go

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Sat, 7 Oct 2000 18:23:03 -0400 (EDT)
From: n2go@arrl.net
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80925] Re: which PIC programmer?
Message-ID: <Pine.LNX.4.20.0010071741000.550-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Lots of people with similar interests on this reflector.....

Recommended programmers include:

Warp13 from Dontronics. \$99 shipped each. Built unit with cable and ZIF socket..... Does just about all PIC chips.

5+ 15% ,10+ 20% and 100+ =25% off with a group buy.
Anyone with a watts line that could order it?????? :)))

<http://www.dontronics.com/newfound.html>

Next was the No parts PIC programmer. It is used to program PIC16C84,F83,F84 microcontrollers.

<http://www.covingtoninnovations.com/noppp/>

next was the picpro

www.geocities.com/SiliconValley/Peaks/9620/

I couldn't get this site to come up.

next pic programmer 2

a homebuilt unit.

<http://www.jdm.homepage.dk/newpic.htm>

Be sure to look at Peter Anderson's website:

He has a lot of stuff at bulk rates for small quantities.

<http://www.phanderson.com/ordering.html>

I am considering two units that are at the opposite ends of the spectrum.

The no parts programmer and the WARP-13 (but only with a group buy :)

If we could get 10 people with paypal capability it would cost about \$84 each shipped for the Warp-13. Assuming priority mail distribution with post office supplied boxes and packing materials from the local supplier. Any interest?

73,

Jim n2go

Date: Sun, 8 Oct 2000 00:47:40 +0200
From: "Guido Tedeschi, ik2bcp" <ik2bcp@hamlan.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80926] Re: which PIC programmer?
Message-ID: <004e01c030b0\$9d6393a0\$0101a8c0@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This programmer works very fine and it is powered from the RS232:
<http://www.h2deetoo.demon.nl/jdmprog.gif>
It works with 16C84, 16F84, 12C508, 12C509 and with the 24Cxx EEPROMS.
I use it with the ICProg 1.01 (32 bits software for Windows):
<http://www.h2deetoo.demon.nl/>
Ciao and 73
Guido

----- Original Message -----

From: <n2go@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, October 07, 2000 7:44 PM
Subject: which PIC programmer?

>
> Which PIC programmer are you using? I am stung by the bug and want to
> either buy or build a programmer. Anybody been there and done that?
> There are some radio items that would be nice to build with a PIC.

>
> I just ordered the Easy Pic'N book written by that guy of SWL fame :)
> The next step will be to build/buy a programmer and some chips.
>
> 73,
>
> Jim n2go

Date: Sat, 07 Oct 2000 17:48:26 -0500
From: "George, W5YR" <w5yr@att.net>
To: Chuck Carpenter <w5usj@globeco.net>, Lew Paceley <lew@paceley.com>, richard kapalczynski <n5ji@yahoo.com>, Dwain Lawhon <dlawhon@ix.netcom.com>, Bill Pierrard <k5jhp@flash.net>, Don Wines <dwines@tyler.net>, "pbuck@flash.net" <pbuck@flash.net>,
Subject: [80927] Small Yagi
Message-ID: <39DFA83A.3F71FFD9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have never had much use for the "small yagi" antennas, having always used large multi-banders and full-size monobanders. But, age and health circumstances now make it impossible to deal with installing, climbing and maintaining any sort of tower. So, I am looking for a small yagi that could be mounted on a pole or small mast and elevated to the 25-30 foot level.

My aim is not so much gain as it is directivity and some degree of efficiency. A multi-band rotating dipole would meet my needs, I suspect. I had remarkable success in the past with a short, loaded rotary dipole on 40 that was only about 24 ft long.

I was working KC7LL this afternoon on 10 and was impressed with his very strong signal. Prior to working him, I heard him giving the details of his antenna system to another contact. Seems that he was using the Cushcraft MA5B antenna.

This is a three-element affair (longest is 17 ft) on a 7 ft boom using copious numbers of traps and capacity hats, etc. The published specs claim modest gains of from 5.3 dbi on 10, 4.8 dbi on 15 and 3.6 dbi on 20. Coverage is 10-12-15-17-20 meters. On 10, 15, and 20 two elements are active. On 12 and 17 only one, and no "gain," of course. F/B ranges from a claimed 10 db on 10 to 22 db on 20. Sidelobe attenuation is pegged at 25 db on all bands. VSWR bandwidths are reasonable, but do reflect the loaded nature of the system. The manufacturer claims that his

numbers come from modelling and actual range measurements.

The KC7 was outspoken and enthusiastic over his antenna. He ranked it as "essentially as good" as the Cushcraft A3 three-element "full-size" tri-bander he had been using before at another location.

Now, this antenna is one compromise after another, but if done properly, the end result could be something better than a rotary dipole on 3 bands and coverage of two others.

If anyone has any experience with this antenna or has any knowledge of it, I would appreciate hearing from you, either privately or on the list/NG if you think that others would appreciate your views and information.

The thing that I do *not* need is a long thread of sermons on how dismal little antennas are, what a ripoff they are, and all that. I stipulate, Your Honor, to all of the above! <:}

My main questions are whether the Cushcraft MA5B is well made, durable and reasonably straightforward to assemble, tune up and erect. Any personal observations on performance will be welcomed.

Thanks!

--

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

End of QRP-L Digest 1967

